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(54) Title: **TECHNIQUES FOR ANALYZING PRODUCTS CONTAINING A COLORING AGENT**

(57) Abstract: A method is provided for detecting a tracer in a preparation by precipitating a coloring agent from a sample of the preparation, especially where the coloring agent otherwise interferes with detection of the tracer. A sample of the preparation may be contacted with an effective amount of a precipitating agent to precipitate the coloring agent in the sample, yielding a sample supernatant having a reduced concentration of coloring agent compared to the preparation. Detection of the tracer in the supernatant may produce a result which may be evaluated to assist in quality validation in a process of manufacturing the preparation or authenticating the preparation.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34095

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 37/00, 33/02, 33/14

US CL : 436/56, 20, 24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 436/56, 20, 24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DUBOIS "Determination of Salicylic Acid in Canned Tomatoes, Catsups, etc.", J. Am. Chem. Soc., 1906, v. 28, pp. 1616-19	1-2, 6, 14, 16-21, 24-26, 59-60, 64, 72, 74-79, 82-84, 88-92
X -- Y	KAMUF "CAMEL COLOR - The Science and Art: Beverages and other Applications", <a href="http://www.caramelworld.com/solution_center/downloads/caramel.doc">http://www.caramelworld.com/solution_center/downloads/caramel.doc</a> , no date for on-line publishing is available	1-2, 6, 14, 16-21, 24-26, 59-60, 64, 72, 74-79, 82-84, 88-92  3-5, 15, 22-23, 30-37, 43-55, 61-63, 73, 80-81



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	KUNTZ "Natural Food Colors", <a href="http://www.foodproductdesign.com/archive/1994/0394DE.html">http://www.foodproductdesign.com/archive/1994/0394DE.html</a> , March 1994, second page	1-2, 6, 14, 16-21, 24- 26, 59-60, 64, 72, 74-79, 82-84, 88-92  3-5, 15, 22-23, 30-37, 43-55, 61-63, 73, 80- 81
Y	DECHABUMPHEN et al. "Contact angle of surfactant solutions on precipitated surfactant surfaces: II. Effect of surfactant charge, pH, use of surfactant mixtures, and surfactant/counterion ratio", World Surfactants Congress, 5th, Firenze, Italy, May 29-June 2, 2000 (2000), 844-851, Abstract.	7-13, 27-29, 36, 38- 42, 56-58, 65-71, 85- 86, 87

**INTERNATIONAL SEARCH REPORT**

PCT/US05/54095

**Continuation of B. FIELDS SEARCHED Item 3:**

AST, STN, Google:

color, caramel, Blue #1, precipitate, remove